



TopSealer® DSV



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Topciment® Topsealer DSV is a two-component, solvent-based polyurethane sealer. Available in Matt, Satin or Gloss.

Uses

This product is ideal for protecting microcement in both indoor and outdoor settings, on surfaces where high resistance to abrasion, water and chemicals is required.

Properties

- Excellent resistance to water and chemicals (see table).
- Excellent abrasion resistance and high hardness.
- Suitable for both indoor and outdoor use, on vertical and horizontal surfaces.
- It does not yellow when exposed to sunlight.
- Compatible with a wide range of mounts.
- Easy to apply.
- Available in various finishes (Matt, Satin and Gloss)
- It significantly enhances the colour of microcement finishes.

Technical specifications

PROPERTIES	SPECIFICATION	UNIT	METHOD
Nature Class A	Solvent-based polyacrylate		
Density Comp. A	0.98±0.01	g/cm³	UNE-EN ISO 2811-1
Viscosity at 23°C, Comp. A	160-200	mPa·s	EN ISO 3219
Non-volatile contents Comp. A	32-34	%	UNE-EN ISO 3251:2020
Features of Comp. B	Solvent-based aliphatic polyisocyanate		
Non-volatile content % Comp. B	30-32		UNE-EN ISO 3251:2020
Density Comp. B	0.96±0,01	%	UNE-EN ISO 2811-1
PROPERTIES A+B (2:1)	SPECIFICATION	UNIT	METHOD
Non-volatile contents Comp. A+B	31-33	%	UNE-EN ISO 3251:2020
Gloss (/Matte/Satin/Gloss)	(<9, 20-30,>80)	Gu	UNE-EN ISO 2813
Persoz 7-day hardness	170	s	UNE-EN ISO 1522
Abrasion resistance	42	mg	UNE-EN ISO 7784-1:2023
VOC: 2024/42/IIA(j) (700) Max. VOCs	489.06	g/L	
Pot life of the mixture at 23°C	60	min	
Coverage (2 layers)	4-6	m²/L	

Application temperature	10-30	°C	
Drying time between layers	8	hours	
Total curing time	7	days	

CHEMICAL RESISTANCE:

Semi-absorbent method UNE-EN ISO 2812-3:2020

Caption

5: No visible changes.

4: Slight change; only visible when the light changes

3: Moderate visible marks.

2: Significant mark without affecting the surface structure.

1: Significant mark; affects the surface structure.

The results obtained are based on the application of two layers of varnish, with a six-hour interval between layers, and seven days after application. The test chemical was applied for 1, 3, 8, 24 and 48 hours, and for one week.

TOPSEALER DSV

PRODUCT	Contact time					
	1H	3H	8H	24H	48H	7 days
WATER	5	5	5	5	5	5
SOAP	5	5	5	5	5	5
BLEACH	5	5	5	4	-	-
VINEGAR	5	4	4	-	-	-
OIL	5	5	5	-	-	-
WINE	5	5	4	-	-	-
AMMONIA CLEANING	5	5	4	-	-	-
ALCOHOL (70%)	4	4	3	-	-	-
SALFUMAN	4	3	2	-	-	-
10% CAUSTIC SODA	4	4	3	-	-	-
4.9% w/w hydrogen peroxide	5	5	4	-	-	-

Preparing the surface

Before applying Topsealer® DSV, it is essential to check that the substrate is dry and free of dust. Depending on weather conditions and the ventilation in the work area, it will be necessary to wait between 24 and 48 hours before applying the polyurethane to the microcement.

If applying to existing varnish, sand the surface thoroughly and remove any stains, grease, dust, etc. Test the adhesion in a corner or out-of-sight area before varnishing the entire surface.

Application

Thoroughly mix component A, then combine the two components using mechanical agitation. It is important to achieve a homogeneous mixture to prevent surface defects and variations in gloss. The mixing ratio is 2 parts Topsealer® DSV A to 1 part Topsealer® DSV B catalyst.

Both components are supplied in proportions that match the mixture, to make preparation easier. The pot life of the mixture (Component A + Component B) is 1 hour at approximately 20°C.

Apply the mixture using a spray gun or a short-pile velour roller. Application should be carried out at ambient temperatures between 10°C and 30°C. Before applying the second layer, we recommend lightly sanding the first layer with 400-grit sandpaper. Wait between 8 hours and no more than 2 days before applying the second layer.

Limitations and important information

- It is essential to observe the drying times, as failure to do so may reduce chemical resistance; furthermore, this may result in a loss of gloss or the appearance of surface defects due to repellency.
- TopSealer® DSV should not be applied at temperatures below 10°C or above 30°C, as low temperatures and high ambient humidity slow down drying and impair the appearance of the finish. Test the adhesion in a corner or out-of-sight area before proceeding with the full coating.
- Allow the polyurethane to cure for at least one week. Polyurethanes reach their full chemical properties after 7–14 days, depending on environmental conditions (humidity and temperature). Do not get the surface wet or use detergents before the specified curing time has elapsed.
- As a sealer, the product makes the microcement water-resistant against running water (occasional contact), but it does not provide waterproofing against standing water (constant contact). Clean with a damp, non-abrasive cloth using our Ecoclean detergent or, failing that, a mild soap to prolong the life of the sealer. Do not use harsh cleaning products such as bleach, acetone or hydrochloric acid.
- TopSealer® WT Dragon, TopSealer® WT 100, TopSealer® WT DSV and TopSealer® WT PRO+ FAST have been found to be fully compatible. Please note that the resulting gloss levels will depend on the gloss level of the first layer.

Special precautions

Highly flammable product. Irritating to the eyes and skin; prolonged exposure may cause dryness or cracking of the skin. Harmful if inhaled; inhalation of vapours may cause drowsiness and dizziness.

In case of contact with the eyes, rinse thoroughly with water for 15 minutes and seek medical attention. In case of contact with the skin, wash with soap and water. Never use solvents or thinners. Do not swallow. If swallowed, do not induce vomiting and seek medical attention immediately.

It is recommended that the following measures be observed:

- Good ventilation.
- Use of a mask with a chemical absorbent
- Safety goggles to protect against splashes.
- Rubber gloves.

Empty containers must be disposed of in accordance with current legislation. To prevent the product from drying out or thickening, close the lid after each use. Keep out of reach of children. For further information, please refer to the product safety data sheet.

Introduction

It is available in 4+2-litre containers.

Tool cleaning

The tools must be cleaned with solvent immediately after use.

Storage conditions

The product must be stored in its original, unopened packaging, protected from the elements, at temperatures between 10°C and 30°C, in a dry, well-ventilated place, away from sources of heat and direct sunlight. When stored correctly, the product has a shelf life of one year from the date of manufacture.



The product must not be used for purposes other than those specified without first obtaining written instructions on its use. It is always the user's responsibility to take the necessary measures to comply with the requirements laid down in the relevant legislation. The product's Safety Data Sheets are available to professionals.

Last updated: March 2026